

[Go to Product page](#)

Datasheet for ABIN7565142  
**DPF1 Protein (AA 1-387) (His tag)**

## Overview

Quantity:	1 mg
Target:	DPF1
Protein Characteristics:	AA 1-387
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Dpf1 Protein expressed in mammalien cells.
Sequence:	<p>MATVIPSPLS LGEDFYREAI EHCRSYNARL CAERSLRLPF LDSQTGVAQN NCYIWMEKTH RGPGLAPGQI YTYPARCWK RRRLNILEDP RLRPCEYKID CEAPLKKEGG LPEGPVLEAL LCAETGEKKV ELKEEETIMD CQKQQLLEFP HDLEVEDLEE DIPRRKNRAR GKAYGIGGLR KRQDTASLED RDKPYVCDIC GKRYKNRPLG SYHYTHTHLA EEEGEEHTER HALPFHRKNN HKQFYKELAW VPEAQRKHTA KKAPDGTVIP NGYCDFCLGG SKKTGCPEDL ISCADCGRSG HPSCLQFTVN MTA AVR TYRW QCIECKSCSL CGTSENDDQL LFCDDCDRGY HMYCLSPMA EPPEGSWSCH LCLRHLKEKA SAYITLT <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	DPF1
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Alternative Name:	Dpf1 ( <a href="#">DPF1 Products</a> )
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Background:	<p>Zinc finger protein neuro-d4 (BRG1-associated factor 45B) (BAF45B) (D4, zinc and double PHD fingers family 1),FUNCTION: May have an important role in developing neurons by participating in regulation of cell survival, possibly as a neurospecific transcription factor. Belongs to the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a postmitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to postmitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth. {ECO:0000269 PubMed:17640523}.</p>
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## Target Details

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Molecular Weight: 44.2 kDa

UniProt: [Q9QX66](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months